

Specification Amendments

Please amend Paragraphs 3, 10-12, 17-18, and 20-21 of the specification as follows:

[0003] The present invention includes a dual function interior console lamp having a first position to provide dome or general-purpose ambient lighting and a second position to provide a positionable reading lamp. The dome position is preferably flush relative to an associated bezel secured to the vehicle interior headliner. The reading lamp position is preferably angled toward an expected target reading location and is capable of being swiveled or rotated using a small protrusion or dimple in the lamp lens. An integrated switching function provides a parallel power source to power the lamp when placed in the reading position and switch off the lamp in the dome position. A main switch selects manual or automatic lamp operation for the dome position that may be operated in conjunction with an auxiliary switch or signal, such as a door switch, for ~~example~~ example.

[0010] Figure 5 is a longitudinal cross-section ~~taken along line A-A~~ of Figure 4 with the lamp in a retracted position and having a recessed bezel according to one embodiment of the present invention;

[0011] Figure 6 is a longitudinal cross-section ~~taken along line A-A~~ of Figure 4 with the lamp in an extended position and having a recessed bezel according to one embodiment of the present invention; and

[0012] Figure 7 is a transverse cross-section ~~taken along line B-B~~ of Figure 4 with the lamp in a retracted position according to one embodiment of the present invention.

[0017] Referring now to ~~Figure 4~~ Figures 1-7, ~~an assembly drawing of a~~ dual function lamp according to ~~one embodiment of the present invention is~~ shown. Switch button 40 engages main switch 94 through a corresponding aperture 52 in bezel 26. As described above, switch button 40 preferably operates main switch 94 to provide "off", "on", and "automatic" functions for the lights when in the retracted or dome lighting position. Bezel 26 includes a plurality of snap features or retaining members ~~62~~ 60 to rotatably hold flange 64

of lamp housing retainer ring 62. As illustrated, snap features 60 are preferably spaced around the circumference of a corresponding aperture adapted to receive housing assembly 20. Lamp housing assembly 20 preferably includes a reflector portion 64 66 sonically welded to a lens portion 68. Reflector portion 64 66 includes any suitable reflective material on the interior portion and is preferably shaped to provide a desired illumination area or pattern. Lamp housing 20 includes collinear pivot arms 70 eccentrically positioned relative to a central longitudinal axis 54 extending generally through the center of a lamp 98 and lens 68 of housing assembly 20 when fully assembled. Pivot arms 70 engage corresponding vertical pivot snap provisions 80 in the lamp housing retainer ring 62 to hold lamp housing assembly 20 within retainer ring 62 while allowing lamp housing 20 and retainer ring 62 to rotate within the plane of the bezel as generally indicated by arrow 46. Lamp housing assembly 20 may include one or more protrusions or ribs 86 to limit rotation of retainer ring 62 between adjacent snap features 60.

[0018] As also illustrated in ~~Figure 4~~, reflector portion 66 of lamp housing assembly 20 may include a striker rib 72 and associated push/push latch striker feature 74 to operate integrated switch 92 via button 90 when lamp housing assembly 20 pivots out of the plane of the bezel about vertical pivot arms 70 in a direction generally indicated by arrow 50. Lamp housing assembly 20 also includes an aperture 76 adapted to receive and engage a lamp 98 and associated socket.

[0020] A longitudinal cross-section taken along line A-A of the dual console lamp shown in Figure 4 is shown in Figures 5 and 6. Figure 5 illustrates a lamp in a retracted (dome/stowed) position with a recessed bezel according to one embodiment of the present invention while Figure 6 illustrates the lamp in an extended (reading/map) position. As shown in Figure 5, when lamp housing assembly 20 is in the retracted position, the outside edges of lens portion 68 are substantially flush with immediately surrounding portions of bezel 26. Depending upon the particular implementation, the apex of lens portion 68 may extend below bezel 26 as illustrated. When in the retracted position, switch striker rib 72 holds reading lamp switch 12 in the off position. Lamp housing

assembly 20 is held against the force of spring clip 84 by push/push latch striker feature 74 which engages push/push latch assembly 90. In this position, lamp 98 may be operated by main switch 94 (Fig. 4) in the "automatic" or "on" mode as described above. As illustrated in Figures 5 and 6, pivot pins 70 are positioned eccentrically or off-axis relative to central longitudinal axis 54 extending through the center of lamp 98 and lens portion 68 of lamp housing assembly 20. Stated differently, pivot pins 70 are positioned on a non-diametrical chord of the lamp housing so that the majority of the housing extends below the bezel when placed in the reading lamp position to provide more efficient use of the available light. If the pivot pins 70 were positioned near or on a diameter of the housing, pivoting of the lamp would result in more of the light being blocked by the surrounding bezel reducing the lighting efficiency and producing potentially undesirable shadows in the target illumination area.

[0021] A dual function console lamp according to one embodiment of the present invention is illustrated in the extended or reading/map position in Figure 6. To operate the lamp from the retracted position illustrated in Figure 5, a user pushes on the lens portion 68, preferably at the dimple feature (Figures 1 and 2), which causes the push/push latch assembly ~~92-90~~ to release striker 74 so that the spring force exerted by spring clip 84 pushes the lamp downward. As lamp housing assembly 20 pivots about pivot arms 70, integrated switch striker rib 72 operates integrated switch 12 to supply power to lamp 98. Lamp housing assembly 20 may also be rotated in the plane of the bezel via rotation of retainer ring ~~72-62~~ within snap features ~~62-60~~ to illuminate a desired target area. Lamp housing assembly 20 is held within retainer ring 62 via pivot pins 70 as illustrated and described with reference to Figure 4.

[0028] Figure 7 is a transverse cross-section ~~taken along line B--B of the lamp shown in Figure 4~~ with the lamp in a retracted (dome) position according to one embodiment of the present invention. Lamp housing assembly 20 is held within retainer ring 62 by pivot arms 70. Retainer ring 62 is rotatably engaged with snap features 60 of bezel 26 allowing lamp housing assembly 20 to rotate in the plane of the bezel about a first axis normal to the plane of the bezel when in either the retracted or the extended position. Pivot arms 70 engage retainer ring 62 and allow lamp assembly housing 20 to pivot or rotate about a second axis defined by pivot arms 70 into an extended position to illuminate a desired target area.